CLAIMS

1. A method for managing open grid service architecture (OGSA) services comprising:

    establishing an open grid service infrastructure (OGSI) instance including an OGSA container;

    establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;

    deploying said OGSA service to said OGSI instance;

    comparing OGSA container attribute to a characteristic of said OGSA container; and,

    supporting said OGSA service on said OGSA container if said attribute matches said characteristic.

2. The method of claim 1 further comprising:

    reconfiguring said OGSA container if said attribute does not match said characteristic to support said OGSA service.

3. The method of claim 1 further comprising:

    generating an error message if said attribute does not match said characteristic.

4. The method of claim 1 further comprising:

    providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

5. The method of claim 4 wherein:

    said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

6. The method of claim 1 further comprising:

   providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.

7. A system for managing open grid service architecture (OGSA) services comprising:

   an administrator system establishing an open grid service infrastructure (OGSI) instance including an OGSA container;

   a grid network coupled to said administrator system;

   a grid resource coupled to said grid network;

   said administrator system establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;

   said administrator system deploying said OGSA service to said OGSI instance;

   said grid resource comparing said OGSA container attribute to a characteristic of said OGSA container; and,

   said grid resource supporting said OGSA service on said OGSA container if said attribute matches said characteristic.

8. The system of claim 7 further comprising:

   said grid resource reconfiguring said OGSA container if said attribute does not match said characteristic to support said OGSA service.

9. The system of claim 7 further comprising:

   said grid resource generating an error message if said attribute does not match said characteristic.

10. The system of claim 7 further comprising:

    said administrator system providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

11. The system of claim 10 wherein:

said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

12. The system of claim 7 further comprising:

said administrator system providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.

13. A medium encoded with a machine-readable computer program code for managing open grid service architecture (OGSA) services, said medium including instructions for implementing the method comprising:

establishing an open grid service infrastructure (OGSI) instance including an OGSA container;

establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;

deploying said OGSA service to said OGSI instance;

comparing OGSA container attribute to a characteristic of said OGSA container; and,

supporting said OGSA service on said OGSA container if said attribute matches said characteristic.

14. The method of claim 13 further comprising instructions for implementing:

reconfiguring said OGSA container if said attribute does not match said characteristic to support said OGSA service.

15. The method of claim 13 further comprising instructions for implementing:

generating an error message if said attribute does not match said characteristic.

16. The method of claim 13 further comprising instructions for implementing:

providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

17. The method of claim 16 wherein:

said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

18. The method of claim 13 further comprising instructions for implementing:

providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.